

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 482 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|-------------------------|-------------------|------------|
| Desc. By: | Day, KJ (Ken) | Locality: | |
| Date Desc.: | 08/11/91 | Elevation: | 280 metres |
| Map Ref.: | Sheet No. : 8256 GPS | Rainfall: | No Data |
| Northing/Long.: | 7720038 AMG zone: 55 | Runoff: | No Data |
| Easting/Lat.: | 477140 Datum: AGD66 | Drainage: | No Data |

Geology

| | | | |
|-----------------------|---------|------------------------------------|---------|
| Exposure Type: | No Data | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | No Data |

Land Form

| | | | |
|-------------------------|-----------------------------|------------------------|----------------|
| Rel/Slope Class: | Undulating plains <9m 3-10% | Pattern Type: | Alluvial plain |
| Morph. Type: | Flat | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Level |
| Slope: | 2 % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | |
|---|--------------------------------|------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Mottled Eutrophic Brown Dermosol Medium Non-gravelly Clay-loamy Silty Shallow | Principal Profile Form: | Uf3 |
| ASC Confidence: | Great Soil Group: | Brown clay |

No analytical data are available but confidence is fair.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Aristida species, Heteropogon contortus, Eragrostis species Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|--------------|--|
| A1 | 0 - 0.05 m | Very dark grey (10YR3/1-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); |
| A2j | 0.05 - 0.2 m | Dark greyish brown (10YR4/2-Moist); ; Silty clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.15); |
| B2 | 0.2 - 0.35 m | Yellowish brown (10YR5/4-Moist); Mottles, 2.5YR48, 20-50% , 0-5mm, Prominent; Mottles, 20-50% ; Silty light clay; Moderate grade of structure, 2-5 mm, Angular blocky; Earthy fabric; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, Ferricrete, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.3); |

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | Exchangeable Acidity | | CEC | ECEC | ESP |
|-------|----|--------|----------------------|----|---|----------------------|--|-----|------|-----|
| m | | dS/m | Ca | Mg | K | Na | | | | % |
| | | | | | | Cmol (+)/kg | | | | |

| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Particle Size | Analysis |
|-------|-------|-----------|----------|---------|---------|---------|--------------|---------------|-----------|
| m | % | % | mg/kg | % | % | % | Mg/m3 | GV CS FS | Silt Clay |
| | | | | | | | | % | |

| Depth | COLE | Gravimetric/Volumetric Water Contents | | | | | | K sat | K unsat |
|-------|------|---------------------------------------|----------|---------|-------------|-------|-------|--------|-----------|
| | | Sat. | 0.05 Bar | 0.1 Bar | 0.5 Bar | 1 Bar | 5 Bar | 15 Bar | |
| m | | | | | g/g - m3/m3 | | | | mm/h mm/h |

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Laboratory Analyses Completed for this profile